

COMPOSITIONS AND METHODS FOR THE TREATMENT AND
PREVENTION OF CARDIOVASCULAR, CARDIAC AND MYOCARDIAL
DISORDERS, AND FOR IDENTIFYING AGENTS THERAPEUTIC THEREFOR

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ABSTRACT

Methods and compositions are disclosed that are useful for the prevention
10 and/or treatment of cardiovascular and cardiac diseases and disorders, or damage
resulting from surgical or medical procedures that may cause ischemic or
ischemic/reperfusion damage in humans; and cardiovascular trauma. The beneficial
effects of the compositions and methods are achieved through the use of
pharmaceutical compositions that include agents that interfere with the production
15 and/or biological activities of sphingolipids and their metabolites, particularly
sphingosine (SPH) and sphingosine-1-phosphate (S-1-P). Also disclosed are
methods for identifying and isolating therapeutic agents.